

## PPM-5224 JK 4 DOOR REAR CAGE KIT

Version 1.2

### GENERAL NOTES:

- These instructions are also available on our website; [www.polyperformance.com](http://www.polyperformance.com). Check the website before you begin for any updated instructions and additional photos for your reference.
  - This is a weld in roll cage kit, all welding should be performed by an experienced welder with proper welding equipment
  - Use in conjunction with PPM-5221; JK front cage kit
  - This kit works with either a soft top or hard top
  - Use extreme care when welding and grinding in the interior of your Jeep, remove or cover any components you do not want welding spatter or grinding sparks to damage.
  - Installation of the cage will make the rear seat un-removable, unless the supplied mounting brackets are modified to allow removal of the rear seat. The step for bracket modification is mentioned below.
1. Remove the hard top or soft top, if using a soft top, remove the door surrounds and the entire soft top and bow assembly.
  2. Remove the sound bar and unzip the rear roll bar padding.
  3. Install the PPM-5221 front cage kit per the instructions included with the front cage kit.
  4. Unzip the C-pillar cross bar padding and remove the interior lamp. Position the C-pillar spreader bar bracket over the C-pillar cross bar. The triangle points forward and the holes should line up with the holes in C-pillar cross bar. Cut holes in the padding cover where the tubes will go through, you will need to notch the padding on the bottom of the C-pillar cross bar. Mark the edges of the bracket on the cross bar. Remove the paint for welding.
  5. Position the C to B pillar spreader bars, the ends of the tubes should fit into the cutouts in the C and B pillar spreader bar brackets. The bends in tubes should be at the rear of the tubes.



6. Slide the padding forward and weld both ends of the spreader bars, weld the top, front and back of the C pillar bracket to the C pillar cross bar, also weld the bottom edge around the tubes, ends and middle of the bracket.



7. Fold the rear seats forward, remove the lower seat and seat belt mounting nut, position the C-pillar foot plate over the studs and replace the nuts.

\*\*\* If you want to remove the rear seat after installation, cut the tab off the mounting bracket that bolts over the seat bracket, the bracket will now have three mounting bolts. The seat belt will still be able to be removed. \*\*\*



8. Drill the rear foot plate holes through the floor with a 3/8" drill bit. Use caution when drilling through on the driver side, the fuel filler hoses are underneath these bolt holes. Insert 3/8 x 1" bolts and flange nuts with a washer under the bolt head. Tighten the 3/8" bolts and the seat and seat belt nuts evenly.
9. Position the C-pillar upright tubes between the foot plate and the bend in the C-pillar beneath the C-pillar cross bar. The top of the tube is about 4" in front of the seat belt mounting bung. Clean off the paint on the factory roll bar where you will weld the tube. The bottom of the tube should be centered on the foot plate. Make sure the rear seats will fold back all the way and lock without hitting these tubes.





10. Cut a hole in the roll bar padding cover where the C-pillar upright tube goes through. Position the tube through the hole in the padding and weld into place, also weld the C pillar foot plate.



11. Clean and paint the new tubes and where they are welded to the factory roll cage
12. Trim the C pillar padding to fit around the new tubes and zip up the padding



13. Notch the factory sound bar to fit around the spreader bars

